## Uncompromising ultra-portable design

### POWERFUL MOBILE PERFORMANCE

Enjoy the powerful performance of an Intel® Core™ 2 Duo P8700 processor (2.53GHz[1]) with Intel® Centrino® 2 processor technology and 4GB of system memory[13].

The VAIO® Z notebook comes pre-installed with Windows Vista® Business 64-bit / XP PRO downgrade - Bilingual (English/French).[12]

Uncompromising elegance weaved into a 3.30 lb[5] (with standard battery) go-anywhere package.

Enjoy a 13.1"[4] LED backlit widescreen display with XBRITE-DuraView™ LCD technology for a brighter, crisper, tougher display.

### WIRELESS FREEDOM

Built-in Wireless-N technology offers a boost in wireless connection speed and range[3].

Extend the reach of your Z notebook with Stereo A2DP Bluetooth® technology[14] that's ideal for advanced wireless communication and streaming uncompromised CD-quality stereo music to compatible Bluetooth® technology enabled speakers or headphones (sold separately).

### ENDLESS FEATURES

A hybrid graphics system lets you set graphics performance on the fly reboot necessary.

AnHDMI™ output delivers video and audio to external sources via a single cable so you can enjoy HD entertainment on your compatible big screen TV without a myriad of extra cables (HDMI™ cable sold separately).

A built-in biometric fingerprint scanner makes authentication and secure access quick and easy – you only need your fingerprint.

G-Sensor™ Shock Protection technology[16] makes your data even less vulnerable to loss or damage. When the built-in 3D acceleration sensor detects a risky movement, the HDD-head will lock up to secure its position and help protect the disc from scratching.

### ENVIRONMENTALLY ENGINEERED FEATURES

Energy-efficient 25 watt Intel® Centrino® 2 processor offers all the performance at lower power consumption.

By using a mercury-free backlit LED display, the VAIO® Z notebook keeps one less chemical out of both your home and the landfills.

Built tough for business, the VAIO® Z notebook offers the portability of a 3.30 lbs[5] (with standard capacity battery) form factor with the performance of a larger computer. Encased in durable carbon fiber and featuring scratch-resistant XBRITE-DuraView™ LCD technology, the Z notebook is designed to help withstand the rigors of the road.

Look for Intel Inside

Windows Vista Business

XBRITE-DuraView

Bluetooth

dlna CERTIFIED

G-SENSOR

NVIDIA GeForce

# VGN-Z710D

## VAIO® Z Series Notebook PC

## Specifications

### General

Computer Type: Notebook
Type of Use: Ultra-portable
Action Buttons: S1, S2, WLAN / Bluetooth® on / off, Performace Select
Pointing Device: Electro-static touch pad
Security: Biometric Fingerprint Sensor
Trusted Platform Module (TPM) TCG Ver.1.2 compliant

### Hardware

Keyboard: QWERTY, 82 keys with 2.5mm stroke and 19.05mm pitch
- Bilingual (English/French)
Camera: Built-in MOTION EYE® camera and microphone[11]

### Processor

Type: Intel® Core™ 2 Duo Processor P8700
Speed: 2.53GHz[2]
Front Side Bus Speed: 1066MHz
L2 Cache: 3MB
Technology: Intel® Centrino® 2 processor technology

### Memory

Type: DDR3 SDRAM
Installed: 4GB[13] PC3-8500 (2GBx2)
Maximum: 8GB[13]
Speed: 1066MHz

### Hard Drive

Capacity: 320GB[2]
Speed: 7200rpm
Interface: Serial ATA
ImpactProtection: G-Sensor™ ShockProtection - Hard Disk Drive Protection[16]

### Optical Drive

CDSupport: Read / Write (CD/-R/-RW)
DVDSupport: Read / Write (DVD±R/±RW/±R DL/-RAM)

### Expansion Slots

Multimedia Card Reader: One Memory Stick PRO™ (STD / Duo) media slot with MagicGate® functionality
One ExpressCard® / 34 media slot
One Secure Digital (SD memory card) media slot

### Audio

Sound System: Intel® High Definition Audio

### Display

Screen Size: 13.1"[4]
Resolution: 1600 x 900
XBRITE-DuraView™ Technology: Yes
Back Light Technology: LED

### Graphics

Processor: NVIDIA® GeForce® 9300M GS GPU with Total Available Graphics Memory of 2010MB (max.) and Mobile Intel® Graphics Media Accelerator 4500MHD with Intel® Clear Video Technology with Total Available Graphics Memory: 1750MB (max.)[10]
Video RAM: 256MB of dedicated video RAM
Technology: Hybrid Graphics System[15]
Chipset: Mobile Intel® GM45 Express Chipset
Max. External Resolution via VGA: 2048x1536
Max. External Resolution via DVI: 1920x1200
Max. External Display Resolution via HDMI™ ouput/cable: 1920x1080

### Inputs and Outputs

Modem Jack: 1
Microphone Input: 1
Port Replicator Connector(s): 1 (Bottom)
USB Port(s): 2 (2.0 compliant)
VGA Output(s): 1
DC-In: 1
i.LINK® Connection: 1 (4pin) i.LINK® connector (IEEE 1394)[7]
Headphone Output(s): 1
Ethernet Connection (s): 1
HDMI™ Output: 1

### Networking/Modem

Ethernet Protocol: 10Base-T/100Base-TX/1000Base-T (Gigabit)
Ethernet Speed: Fast Ethernet (RJ-45)
Modem Type: Integrated V.92/V.90 Modem (RJ-11)
Wireless LAN: Intel® WiFi Link 5100AGN (802.11a/b/g/n)[3]
Bluetooth® Technology: Integrated Stereo A2DP Bluetooth® Technology (2.1 + EDR)[14]

### Power

Battery Type: Standard Capacity Lithium-ion Battery (VGP-BPS12)
Estimated Battery Life: Up to 6.0 hours[8] Standard Capacity Battery based on MobileMark Method
Up to 9.0 hours[8] Large Capacity Battery based on MobileMark Method
Power Requirements: 100W + 10%

### Software

Operating System: Microsoft® Windows Vista® Business 64-bit[12] / XP PRO downgrade - Bilingual (English/French)
VAIO® Multimedia Suite: VAIO® Startup Assistant
Click to Disc Editor - Import, Edit, Burn
VAIO® Movie Story - Simple Movie Creation
VAIO® MusicBox - Music by Mood
VAIO® Media plus - Multimedia Streaming Software
*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.

### Service and Warranty Information

Telephone Support: 1 Year[9]
Limited Warranty Term: 1 Year

### Environmental Information

RoHS®: Compliant

### Dimensions

Weight: 3.30 lbs[5] (with standard capacity battery)
Measurements: 12.4"(W) x 1.0-1.3"(H) x 8.3"(D)[5,6]

### Supplied Accessories

Standard Capacity Lithium-ion battery (VGP-BPS12)
AC Adapter (VGP-AC19V26)
Power Cable

### Optional Accessories

Stick AC Adapter (VGP-AC19V21)
Port Replicator (VGP-PRZ1)
Additional Standard Capacity Battery (VGP-BPS12)
Large Capacity Battery (VGP-BPL12)
VAIO® Protection Case (VGP-CKZ1)
USB Optical Mouse (VGP-UMS20/B)
Bluetooth® Laser Mouse[14] (VGP-BMS33/B)
Neoprene Case (VGP-AMB10)

Color: Black

1. GHz denotes microprocessor internal clock speed; other factors may affect application performance. CPU speed will be reduced under certain operating conditions.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires 802.11n compatible access point. Some functionality may require Internet services.
4. Viewable area measured diagonally.
5. Non-metric weights and measures are approximate and may vary.
6. Measured at the narrowest point
7. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
8. Actual battery life may vary based on product settings, usage patterns and environmental conditions.
9. See actual limited warranty for details.
10. Total Available Graphics Memory refers to the new Windows Vista® classification of graphics memory, which varies depending on the operating condition, version of device driver and system memory size.
11. Broadband Internet service required along with third party services which may require a subscription or other service fee.
12. Compatibility and performance in a 64 bit environment may vary. Check with the manufacturer of your software or accessory to ensure you have the latest updates.
13. A portion of the system memory over 3GB may not be available to the operating system in a 32-bit environment.
14. Interoperability and compatibility among Bluetooth® devices vary.
15. Windows Vista® is required for feature functionality. Rebooting is necessary on pre-installed and downgraded Windows® XP Professional models.
16. Windows Vista® is required for functionality of G-Sensor™ Shock Protection.

Computer Interface: For this product,there are a multitude of varying software packages and add-on hardware options. This product is not manufactured to work with any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned here. Sony hereby disclaims any representations or warranties that this product is compatible with any combination of non-Sony products you may choose to connect to it. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony computer are subject to change without notice. Preinstalled software may not be identical to retail versions or have all documentation. Features and specifications are subject to change without notice.
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